

Preliminary Amendment Filed January 17, 2007

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Claims 1-9 are amended.

Listing of Claims:

1. (Currently Amended) Device comprising a patch antenna processing a signal (6), and coupling means for connecting the antenna to an electronic component (5), wherein the patch antenna is arranged on one a first side of an antenna plate (1), ~~characterized in that~~ wherein the electronic component can be mounted on the other a second side of the antenna plate (1) and ~~that~~ wherein the coupling means comprise a metal passage (2) through the antenna plate which transposes into a bond pad (8) against the antenna plate on the other second side, and a metal bond wire (3) between the electronic component and the bond pad (8), wherein the length of the passage, as seen perpendicularly of the antenna plate, is smaller than a quarter-wavelength of a the signal to be processed by the antenna.
2. (Currently Amended) Device as claimed in claim 1, ~~characterized in that~~ wherein the length of the bond wire is smaller than a quarter-wavelength of a the signal to be processed by the antenna.
3. (Currently Amended) Device as claimed in either of the foregoing claims, ~~characterized in that~~ claim 1, wherein an electrically conductive plate for the patch antenna is arranged against the second side of the antenna plate at the side of the electronic component, ~~which~~ wherein the electrically conductive plate is provided with a recess for the passage.
4. (Currently Amended) Device as claimed in any of the foregoing claims, ~~characterized in that~~ claim 1, wherein the electronic component is an amplifier, such as a low noise amplifier.

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5. (Currently Amended) Device as claimed in ~~any of the foregoing claims, characterized in that claim 1, wherein~~ on the side of the electronic component the passage transposes into a bond pad for the bond wire.

6. (Currently Amended) Device as claimed in ~~any of the foregoing claims, characterized in that claim 1, wherein~~ the passage has a substantially cylindrical form.

7. (Currently Amended) Device as claimed in ~~any of the foregoing claims, characterized in that claim 1, wherein~~ on the side of the antenna the passage makes direct contact with a power supply line of the patch antenna.

8. (Currently Amended) Device as claimed in claim 7, ~~characterized in that wherein~~ the periphery of the passage substantially corresponds with the width of the power supply line.

9. (Currently Amended) Radar receiver provided with a device as claimed in ~~any of the foregoing claims~~ claim 1.